

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Narrowband Applications Using ATM Switching and Transport

the specification of which (check applicable box(es)):

- ☐ is attached hereto
☒ was filed on July 14, 1999 as U.S. Application Serial No. To be assigned (Atty Dkt. No. 1410-554)
☐ was filed as PCT International application No. _____ on _____
 and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):	Country	Day/Month/Year Filed
Application Number		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):	Day/Month/Year Filed	Status: patented pending, abandoned
Application Serial No.		

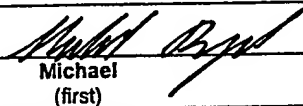
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Basha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; mas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; b. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329.*

1.	Inventor's Signature: Inventor:	<u>Ros-Marie</u> (first) MI <u>FURTENBACK</u> (last)	Date: _____ <u>Swedish</u> (citizenship)
	Residence: (city)	<u>Johanneshov</u>	<u>Sweden</u>
	Post Office Address: (Zip Code)	<u>Pastellvägen 34, 121 36, Johanneshov, Sweden</u>	
2.	Inventor's Signature: Inventor:	<u>Magnus</u> (first) MI <u>HALLENSTÄL</u> (last)	Date: _____ <u>Swedish</u> (citizenship)
	Residence: (city)	<u>Täby</u>	<u>Sweden</u>
	Post Office Address: (Zip Code)	<u>Täbyv, 220, 187 50, Täby, Sweden</u>	

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Page 2

3. Inventor's Signature: _____ Date: _____
Inventor: Jan Alvar GJARDMAN Swedish
(first) (last) (citizenship)
MI (state/country)
Residence: (city) Farsta
Post Office Address: Alångsvägen 1, 123 52, Farsta, Sweden
(Zip Code) _____
4. Inventor's Signature: _____ Date: _____
Inventor: Tomas NYLANDER Swedish
(first) (last) (citizenship)
MI (state/country)
Residence: (city) Stavsnas
Post Office Address: Holby vag 5, 130 37, Stavsnas, Sweden
(Zip Code) _____
5. Inventor's Signature:  Date: 11-8-99
Inventor: Michael RANJEL Danish
(first) (last) (citizenship)
MI (state/country)
Residence: (city) Delahey, Victoria
Post Office Address: 26 Lemco Walk, Delahey, Victoria, Australia
(Zip Code) _____

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Narrowband Applications Using ATM Switching and Transport

the specification of which (check applicable box(es)):

☐ is attached hereto
☒ was filed on July 14, 1999 as U.S. Application Serial No. To be assigned (Atty Dkt. No. 1410-554)
☐ was filed as PCT International application No. _____ on _____
and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Foreign Application(s):	Country	Day/Month/Year Filed
Application Number		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
--------------------	-----------------------

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):	Day/Month/Year Filed	Status: patented pending, abandoned
Application Serial No.		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329.*

1.	Inventor's Signature:		Date:	
	Inventor:	<u>Ros-Marie</u> <u>FURTENBACK</u> (first) (last) <u>MI</u> (state/country)		<u>Swedish</u> (citizenship)
	Residence: (city)	<u>Johanneshov</u>		
	Post Office Address:	<u>Pastellivägen 34, 121 36, Johanneshov, Sweden</u>		
	(Zip Code)			
<hr/>				
2.	Inventor's Signature:		Date:	
	Inventor:	<u>Magnus</u> <u>HALLENSTÅL</u> (first) (last) <u>MI</u> (state/country)		<u>Swedish</u> (citizenship)
	Residence: (city)	<u>Täby</u>		
	Post Office Address:	<u>Täbyväg, 220, 187 50, Täby, Sweden</u>		
	(Zip Code)			

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
**DECLARATION AND POWER OF ATTORNEY
 FOR PATENT APPLICATION
 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Page 2

3. Inventor's Signature:
 Inventor:

Jan Alvar
 (first)

MI

GJÄRDMAN
 (last)

Date: 990809

Swedish
 (citizenship)

Residence: (city)

Farsta

(state/country) Sweden

Post Office Address:

Alängsvägen 1, 123 52, Farsta, Sweden

(Zip Code)

4. Inventor's Signature:
 Inventor:

Tomas
 (first)

MI

NYLANDER
 (last)

Date: 990809

Swedish
 (citizenship)

Residence: (city)

Stavsnas

(state/country) Sweden

Post Office Address:

Holby vag 5, 130 37, Stavsnas, Sweden

(Zip Code)

5. Inventor's Signature:
 Inventor:

Michael
 (first)

MI

RANJEL
 (last)

Date:

Danish
 (citizenship)

Residence: (city)

Delahey, Victoria

(state/country) Australia

Post Office Address:

26 Lemco Walk, Delahey, Victoria, Australia

(Zip Code)

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Narrowband Applications Using ATM Switching and Transport

the specification of which (check applicable box(es)):

- ☐ is attached hereto
☒ was filed on July 14, 1999 as U.S. Application Serial No. To be assigned (Atty Dkt. No. 1410-554)
☐ was filed as PCT International application No. _____ on _____
and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Foreign Application(s):

Application Number

Country

Day/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number

Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112; I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

Status: patented
pending, abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329.

1. Inventor's Signature: Ros-Marie Furtenback Date: 990816
Inventor: Ros-Marie FURTENBACK Swedish
(first) MI (last) (citizenship)
Residence: (city) Johanneshov (state/country) Sweden
Post Office Address: Pastellvägen 34, 121 36, Johanneshov, Sweden
(Zip Code) _____
2. Inventor's Signature: _____ Date: _____
Inventor: Magnus HALLENSTÄL Swedish
(first) MI (last) (citizenship)
Residence: (city) Täby (state/country) Sweden
Post Office Address: Täbyväg, 220, 187 50, Täby, Sweden
(Zip Code) _____

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Page 2

3.	Inventor's Signature: Inventor:	Jan Alvar (first) MI GJÄRDMAN (last)	Date: _____	Swedish (citizenship)
	Residence: (city)	Farsta	(state/country)	Sweden
	Post Office Address: (Zip Code)	Alängsvägen 1, 123 52, Farsta, Sweden		
4.	Inventor's Signature: Inventor:	Tomas (first) MI NYLANDER (last)	Date: _____	Swedish (citizenship)
	Residence: (city)	Stavsnas	(state/country)	Sweden
	Post Office Address: (Zip Code)	Holby vag 5, 130 37, Stavsnas, Sweden		
5.	Inventor's Signature: Inventor:	Michael (first) MI RANJEL (last)	Date: _____	Danish (citizenship)
	Residence: (city)	Delahey, Victoria	(state/country)	Australia
	Post Office Address: (Zip Code)	26 Lemco Walk, Delahey, Victoria, Australia		

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Narrowband Applications Using ATM Switching and Transport

the specification of which (check applicable box(es)):

- ☐ is attached hereto
☒ was filed on July 14, 1999 as U.S. Application Serial No. To be assigned (Atty Dkt. No. 1410-554)
☐ was filed as PCT International application No. _____ on _____
and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

P y Foreign Application(s):	Country	Day/Month/Year Filed
Application Number		

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
--------------------	-----------------------

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):	Day/Month/Year Filed	Status: patented pending, abandoned
Application Serial No.		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Bumam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329."

1.	Inventor's Signature:	<u>Ros-Marie FURTENBACK</u>	Date:	
	Inventor:	<u>(first) MI (last) Sweden</u>		Swedish (citizenship)
	Residence: (city)	<u>Johanneshov</u>		
	Post Office Address:	<u>Pastellvägen 34, 121 36, Johanneshov, Sweden</u>		
	(Zip Code)			
2.	Inventor's Signature:	<u>Magnus HALLENSTÅL</u>	Date:	<u>990809</u>
	Inventor:	<u>(first) MI (last) Sweden</u>		Swedish (citizenship)
	Residence: (city)	<u>Täby</u>		
	Post Office Address:	<u>Täbyväg, 220, 187 50, Täby, Sweden</u>		
	(Zip Code)			

FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

Nixon & Vanderhye P.C. (12/95)

Page 2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

3.	Inventor's Signature: Inventor:	Jan Alvar (first)	MI	GJÄRDMAN (last)	Swedish (citizenship)	Date: _____
	Residence: (city)	Farsta (state/country) Sweden				
	Post Office Address: (Zip Code)	Alängsvägen 1, 123 52, Farsta, Sweden				
4.	Inventor's Signature: Inventor:	Tomas (first)	MI	NYLANDER (last)	Swedish (citizenship)	Date: _____
	Residence: (city)	Stavsnas (state/country) Sweden				
	Post Office Address: (Zip Code)	Holby vag 5, 130 37, Stavsnas, Sweden				
5.	Inventor's Signature: Inventor:	Michael (first)	MI	RANJEL (last)	Danish (citizenship)	Date: _____
	Residence: (city)	Delahey, Victoria (state/country) Australia				
	Post Office Address: (Zip Code)	26 Lemco Walk, Delahey, Victoria, Australia				

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.